

AMENDMENTS TO THE CLAIMS

Claim 1 (Cancelled)

Claim 2 (New): An electrical generator for a vehicle having at least one wheel mounted on an axle shaft for rotation of the wheel relative to the axle shaft, said electrical generator comprising:

a housing having a centrally disposed barrel extending longitudinally from one side thereof, said barrel having a longitudinally directed through bore formed therein for mounting said housing on the axle shaft;

an annular induction coil disposed in a perimeter portion of said housing and having a pair of output leads coupled to a load;

an isolating sleeve coupled to the wheel for rotation therewith and extending over the axle shaft into said housing; and,

a magnetic ring mounted on said sleeve for rotation therewith, said magnetic ring being disposed within said housing and located between said isolating sleeve and said annular induction coil, wherein electrical energy is induced in said induction coil and supplied to the load responsive to rotation of the wheel.